

4-33639 (5048-W001).ST25.txt  
SEQUENCE LISTING

<110> Genova Ltd.  
Argoud-Puy, Guilaine  
Bederr, Nassima  
Bougueletret, Lydie  
Cusin, Isabelle  
Mahé, Eve  
Niknejad, Anne  
Reffas, Samia  
Rose, Keith  
Saudrais, Cédric

<120> SECRETED POLYPEPTIDE SPECIES REDUCED IN CARDIOVASCULAR DISORDERS

<130> 4 -33639A/GLT (5048-W001)

<150> US 60/487,351  
<151> 2003-07-15

<150> US 60/487,290  
<151> 2003-07-15

<150> US 60/487,288  
<151> 2003-07-15

<150> US 60/487,391  
<151> 2003-07-15

<160> 301

<170> PatentIn version 3.1

<210> 1  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 1

Cys Leu His Pro Cys Val Ile Ser Arg  
1 5

<210> 2  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 2

Glu Ala Thr Phe Cys Asp Phe Pro Lys  
1 5

<210> 3  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 3

Glu Ile Met Glu Asn Tyr Asn Ile Ala Leu Arg  
1 5 10

<210> 4  
<211> 7

## 4-33639 (5048-W001).ST25.txt

<212> PRT  
<213> Homo sapiens

<400> 4

Gly Trp Ser Thr Pro Pro Lys  
1 5

<210> 5  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 5

Ile Asn His Gly Ile Leu Tyr Asp Glu Glu Lys  
1 5 10

<210> 6  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 6

Ile Thr Cys Thr Glu Glu Gly Trp Ser Pro Thr Pro Lys  
1 5 10

<210> 7  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 7

Leu Glu Tyr Pro Thr Cys Ala Lys  
1 5

<210> 8  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 8

Leu Gln Asn Asn Glu Asn Asn Ile Ser Cys Val Glu Arg  
1 5 10

<210> 9  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 9

Asn Gly Gln Trp Ser Glu Pro Pro Lys  
1 5

<210> 10  
<211> 18  
<212> PRT  
<213> Homo sapiens

## 4-33639 (5048-W001).ST25.txt

<400> 10

Asn Gly Gln Trp Ser Glu Pro Pro Lys Cys Leu His Pro Cys Val Ile  
1 5 10 15

Ser Arg

<210> 11

<211> 5

<212> PRT

<213> Homo sapiens

<400> 11

Ser Phe Trp Thr Arg  
1 5

<210> 12

<211> 18

<212> PRT

<213> Homo sapiens

<400> 12

Ser Phe Trp Thr Arg Ile Thr Cys Thr Glu Glu Gly Trp Ser Pro Thr  
1 5 10 15

Pro Lys

<210> 13

<211> 20

<212> PRT

<213> Homo sapiens

<400> 13

Ser Thr Asp Thr Ser Cys Val Asn Pro Pro Thr Val Gln Asn Ala His  
1 5 10 15

Ile Leu Ser Arg  
20

<210> 14

<211> 10

<212> PRT

<213> Homo sapiens

<400> 14

Thr Gly Glu Ser Ala Glu Phe Val Cys Lys  
1 5 10

<210> 15

<211> 11

<212> PRT

<213> Homo sapiens

## 4-33639 (5048-W001).ST25.txt

&lt;400&gt; 15

Thr Gly Glu Ser Ala Glu Phe Val Cys Lys Arg  
1 5 10

&lt;210&gt; 16

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 16

Thr Thr Cys Trp Asp Gly Lys Leu Glu Tyr Pro Thr Cys Ala Lys  
1 5 10 15

&lt;210&gt; 17

&lt;211&gt; 26

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 17

Tyr Lys Pro Phe Ser Gln Val Pro Thr Gly Glu Val Phe Tyr Tyr Ser  
1 5 10 15

Cys Glu Tyr Asn Phe Val Ser Pro Ser Lys  
20 25

&lt;210&gt; 18

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 18

Glu Leu Leu Glu Ser Tyr Ile Asp Gly Arg  
1 5 10

&lt;210&gt; 19.

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 19

Glu Thr Ala Ala Ser Leu Leu Gln Ala Gly Tyr Lys  
1 5 10

&lt;210&gt; 20

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 20

Gly Gln Pro Ser Val Leu Gln Val Val Asn Leu Pro Ile Val Glu Arg  
1 5 10 15

Pro Val Cys Lys  
20

## 4-33639 (5048-W001).ST25.txt

<210> 21  
<211> 16  
<212> PRT  
<213> Homo sapiens

<400> 21

His Gln Asp Phe Asn Ser Ala Val Gln Leu Val Glu Asn Phe Cys Arg  
1 5 10 15

<210> 22  
<211> 20  
<212> PRT  
<213> Homo sapiens

<400> 22

Ile Val Glu Gly Ser Asp Ala Glu Ile Gly Met Ser Pro Trp Gln Val  
1 5 10 15

Met Leu Phe Arg  
20

<210> 23  
<211> 19  
<212> PRT  
<213> Homo sapiens

<400> 23

Leu Ala Val Thr Thr His Gly Leu Pro Cys Leu Ala Trp Ala Ser Ala  
1 5 10 15

Gln Ala Lys

<210> 24  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 24

Thr Ala Thr Ser Glu Tyr Gln Thr Phe Phe Asn Pro Arg  
1 5 10

<210> 25  
<211> 17  
<212> PRT  
<213> Homo sapiens

<400> 25

Thr Phe Gly Ser Gly Glu Ala Asp Cys Gly Leu Arg Pro Leu Phe Glu  
1 5 10 15

Lys

## 4-33639 (5048-W001).ST25.txt

<210> 26  
<211> 13  
<212> PRT  
<213> Homo sapiens  
  
<400> 26

Ala Ser Ala Ser Asp Gly Ser Ser Phe Val Val Ala Arg  
1 5 10

<210> 27  
<211> 13  
<212> PRT  
<213> Homo sapiens  
  
<400> 27

Glu Ala Gln Gln Tyr Ser Glu Ala Leu Ala Ser Thr Arg  
1 5 10

<210> 28  
<211> 17  
<212> PRT  
<213> Homo sapiens  
  
<400> 28

Gly Gln Cys Gly Glu Asn Leu Ala Trp Ala Ser Tyr Asp Gln Thr Gly  
1 5 10 15

Lys

<210> 29  
<211> 7  
<212> PRT  
<213> Homo sapiens  
  
<400> 29

His Gly Val Pro Pro Leu Lys  
1 5

<210> 30  
<211> 17  
<212> PRT  
<213> Homo sapiens  
  
<400> 30

Asn Leu Asn Arg Glu Ala Gln Gln Tyr Ser Glu Ala Leu Ala Ser Thr  
1 5 10 15

Arg

<210> 31  
<211> 22  
<212> PRT  
<213> Homo sapiens

## 4-33639 (5048-W001).ST25.txt

&lt;400&gt; 31

Asn Tyr Asn Phe Gln Gln Pro Gly Phe Thr Ser Gly Thr Gly His Phe  
1 5 10 15

Thr Ala Met Val Trp Lys  
20

&lt;210&gt; 32

&lt;211&gt; 6

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 32

Trp Tyr Ser Glu Ile Lys  
1 5

&lt;210&gt; 33

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 33

Ala Ser Ala Ser Asp Gly Ser Ser Phe Val Val Ala Arg  
1 5 10

&lt;210&gt; 34

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 34

Glu Ala Gln Gln Tyr Ser Glu Ala Leu Ala Ser Thr Arg  
1 5 10

&lt;210&gt; 35

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 35

Asn Tyr Asn Phe Gln Gln Pro Gly Phe Thr Ser Gly Thr Gly His Phe  
1 5 10 15

Thr Ala Met Val Trp Lys  
20

&lt;210&gt; 36

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 36

Ala Ser Ala Ser Asp Gly Ser Ser Phe Val Val Ala Arg  
1 5 10

## 4-33639 (5048-W001).ST25.txt

<210> 37  
<211> 22  
<212> PRT  
<213> Homo sapiens

<400> 37

Asn Tyr Asn Phe Gln Gln Pro Gly Phe Thr Ser Gly Thr Gly His Phe.  
1 5 10 15

Thr Ala Met Val Trp Lys  
20

<210> 38  
<211> 17  
<212> PRT  
<213> Homo sapiens

<400> 38

Gly Phe Asn Cys Glu Ser Lys Pro Glu Ala Glu Glu Thr Cys Phe Asp  
1 5 10 15

Lys

<210> 39  
<211> 24  
<212> PRT  
<213> Homo sapiens

<400> 39

Gly Phe Asn Cys Glu Ser Lys Pro Glu Ala Glu Glu Thr Cys Phe Asp  
1 5 10 15

Lys Tyr Thr Gly Asn Thr Tyr Arg  
20

<210> 40  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 40

Gly Asn Leu Leu Gln Cys Ile Cys Thr Gly Asn Gly Arg  
1 5 10

<210> 41  
<211> 18  
<212> PRT  
<213> Homo sapiens

<400> 41

His Thr Ser Val Gln Thr Thr Ser Ser Gly Ser Gly Pro Phe Thr Asp  
1 5 10 15

## 4-33639 (5048-W001).ST25.txt

Val Arg

<210> 42  
<211> 10  
<212> PRT  
<213> Homo sapiens

&lt;400&gt; 42

His Tyr Gln Ile Asn Gln Gln Trp Glu Arg  
1 5 10

<210> 43  
<211> 7  
<212> PRT  
<213> Homo sapiens

&lt;400&gt; 43

Ile Gly Asp Thr Trp Ser Lys  
1 5

<210> 44  
<211> 8  
<212> PRT  
<213> Homo sapiens

&lt;400&gt; 44

Ile Ser Cys Thr Ile Ala Asn Arg  
1 5

<210> 45  
<211> 26  
<212> PRT  
<213> Homo sapiens

&lt;400&gt; 45

Gln Ala Gln Gln Met Val Gln Pro Gln Ser Pro Val Ala Val Ser Gln  
1 5 10 15

Ser Lys Pro Gly Cys Tyr Asp Asn Gly Lys  
20 25

<210> 46  
<211> 19  
<212> PRT  
<213> Homo sapiens

&lt;400&gt; 46

Arg Pro His Glu Thr Gly Gly Tyr Met Leu Glu Cys Val Cys Leu Gly  
1 5 10 15

Asn Gly Lys

&lt;210&gt; 47

## 4-33639 (5048-W001).ST25.txt

<211> 16  
<212> PRT  
<213> Homo sapiens

<400> 47

Thr Tyr Leu Gly Asn Ala Leu Val Cys Thr Cys Tyr Gly Gly Ser Arg  
1 5 10 15

<210> 48  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 48

Val Gly Asp Thr Tyr Glu Arg Pro Lys  
1 5

<210> 49  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 49

Cys Ser Gly Glu Glu Gln Ser Leu Glu Gln Cys Gln His Arg  
1 5 10

<210> 50  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 50

Cys Tyr Gly Pro Gly Val Gly Arg  
1 5

<210> 51  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 51

Asp Val Ala Val Leu Cys Arg  
1 5

<210> 52  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 52

Glu Ala Thr Leu Gln Asp Cys Pro Ser Gly Pro Trp Gly Lys  
1 5 10

<210> 53  
<211> 22  
<212> PRT

## 4-33639 (5048-W001).ST25.txt

&lt;213&gt; Homo sapiens

&lt;400&gt; 53

Glu Leu Gly Cys Gly Ala Ala Ser Gly Thr Pro Ser Gly Ile Leu Tyr  
1 5 10 15Glu Pro Pro Ala Glu Lys  
20

&lt;210&gt; 54

&lt;211&gt; 25

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 54

Glu Leu Gly Cys Gly Ala Ala Ser Gly Thr Pro Ser Gly Ile Leu Tyr  
1 5 10 15Glu Pro Pro Ala Glu Lys Gln Lys  
20 25

&lt;210&gt; 55

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 55

Phe Trp Gly Phe His Asp Cys Thr His Gln Glu Asp Val Ala Val Ile  
1 5 10 15

Cys Ser Gly

&lt;210&gt; 56

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 56

Gly Gln Trp Gly Thr Val Cys Asp Asp Gly Trp Asp Ile Lys  
1 5 10

&lt;210&gt; 57

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 57

Gly Gln Trp Gly Thr Val Cys Asp Asp Gly Trp Asp Ile Lys Asp Val  
1 5 10 15Ala Val Leu Cys Arg  
20

## 4-33639 (5048-WO01).ST25.txt

<210> 58  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 58

Gly Val Trp Gly Ser Val Cys Asp Asp Asn Trp Gly Glu Lys  
1 5 10

<210> 59  
<211> 21  
<212> PRT  
<213> Homo sapiens

<400> 59

Gly Val Trp Gly Ser Val Cys Asp Asp Asn Trp Gly Glu Lys Glu Asp  
1 5 10 15

Gln Val Val Cys Lys  
20

<210> 60  
<211> 16  
<212> PRT  
<213> Homo sapiens

<400> 60

His Gln Asn Gln Trp Tyr Thr Val Cys Gln Thr Gly Trp Ser Leu Arg  
1 5 10 15

<210> 61  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 61

Ile Trp Leu Asp Asn Val Arg  
1 5

<210> 62  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 62

Lys Cys Tyr Gly Pro Gly Val Gly Arg  
1 5

<210> 63  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 63

Lys Pro Ile Trp Leu Ser Gln Met Ser Cys Ser Gly Arg  
1 5 10

## 4-33639 (5048-W001).ST25.txt

<210> 64  
<211> 6  
<212> PRT  
<213> Homo sapiens

<400> 64

Leu Glu Val Leu His Lys  
1 5

<210> 65  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 65

Leu Val Gly Gly Asp Asn Leu Cys Ser Gly Arg  
1 5 10

<210> 66  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 66

Leu Val Gly Gly Leu His Arg  
1 5

<210> 67  
<211> 20  
<212> PRT  
<213> Homo sapiens

<400> 67

Asn Thr Cys Asn His Asp Glu Asp Thr Trp Val Glu Cys Glu Asp Pro  
1 5 10 15

Phe Asp Leu Arg  
20

<210> 68  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 68

Ser Ser Gly Leu Ile Ser His His Arg  
1 5

<210> 69  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 69

4-33639 (5048-w001).ST25.txt  
Val Leu Asn Asp Gly Thr Val Tyr Thr Ala Arg  
1 5 10

<210> 70  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 70

Val Asn Leu Glu Glu Cys Phe Arg  
1 5

<210> 71  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 71

Ala Trp Phe Leu Glu Ser Lys  
1 5

<210> 72  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 72

Asp Gly Trp Gln Trp Phe Trp Ser Pro Ser Thr Phe Arg  
1 5 10

<210> 73  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 73

Asp Leu Gly Pro Leu Thr Lys  
1 5

<210> 74  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 74

Glu Leu Leu Glu Thr Val Val Asn Arg  
1 5

<210> 75  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 75

Gly Phe Met Gln Thr Tyr Tyr Asp Asp His Leu Arg  
1 5 10

## 4-33639 (5048-W001).ST25.txt

<210> 76  
<211> 19  
<212> PRT  
<213> Homo sapiens

<400> 76

Gly Phe Met Gln Thr Tyr Tyr Asp Asp His Leu Arg Asp Leu Gly Pro  
1 5 10 15

Leu Thr Lys

<210> 77  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 77

Lys Thr His Ser Leu Cys Pro Arg  
1 5

<210> 78  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 78

Met Lys Glu Leu Leu Glu Thr Val Val Asn Arg  
1 5 10

<210> 79  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 79

Thr His Ser Leu Cys Pro Arg  
1 5

<210> 80  
<211> 15  
<212> PRT  
<213> Homo sapiens

<400> 80

Thr Arg Asp Gly Trp Gln Trp Phe Trp Ser Pro Ser Thr Phe Arg  
1 5 10 15

<210> 81  
<211> 5  
<212> PRT  
<213> Homo sapiens

<400> 81

## 4-33639 (5048-W001).ST25.txt

Trp Ser Leu Val Arg  
1 5

<210> 82  
<211> 19  
<212> PRT  
<213> Homo sapiens

<400> 82

Cys Pro Asn Val His Cys Leu Ser Pro Val His Ile Pro His Leu Cys  
1 5 10 15

Cys Pro Arg

<210> 83  
<211> 17  
<212> PRT  
<213> Homo sapiens

<400> 83

Ser Arg Gln Ser Val Val Thr Leu Gln Gly Ser Ala Val Val Ala Asn  
1 5 10 15

Arg

<210> 84  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 84

Ala Ser Phe Glu Glu Leu Cys Ser Glu Tyr Arg Lys  
1 5 10

<210> 85  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 85

Glu Val Thr Val Leu Leu Glu His Gln Lys  
1 5 10

<210> 86  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 86

Ser Phe Thr Ile Trp Leu Ser Asp Lys  
1 5

<210> 87

## 4-33639 (5048-w001).ST25.txt

<211> 18  
<212> PRT  
<213> Homo sapiens

<400> 87

Ser Ser Asp Pro Asp Phe Arg Val Leu Asn Asp Gly Ser Val Tyr Thr  
1 5 10 15

. Ala Arg

<210> 88  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 88

Val Leu Asn Asp Gly Ser Val Tyr Thr Ala Arg  
1 5 10

<210> 89  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 89

Val Asn Leu Glu Glu Cys Phe Arg  
1 5

<210> 90  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 90

Asp Ile Gln Gly Ser Leu Gln Asp Ile Phe Lys  
1 5 10

<210> 91  
<211> 16  
<212> PRT  
<213> Homo sapiens

<400> 91

Thr Pro His Ala Glu Asp Met Ala Glu Leu Val Ile Val Gly Gly Lys  
1 5 10 15

<210> 92  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 92

Val Asn Ser Asp Gly Gly Leu Val Ala Leu Arg  
1 5 10

## 4-33639 (5048-W001).ST25.txt

<210> 93  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 93

Tyr Glu Val Ser Ser Pro Tyr Phe Lys  
1 5

<210> 94  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 94

Cys Phe Glu Ser Phe Glu Arg  
1 5

<210> 95  
<211> 21  
<212> PRT  
<213> Homo sapiens

<400> 95

Asp Ala Thr Cys Asn Cys Asp Tyr Asn Cys Gln His Tyr Met Glu Cys  
1 5 10 15

Cys Pro Asp Phe Lys  
20

<210> 96  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 96

Lys Ala Pro Pro Pro Ser Gly Ala Ser Gln Thr Ile Lys  
1 5 10

<210> 97  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 97

Val Cys Thr Ala Glu Leu Ser Cys Lys  
1 5

<210> 98  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 98

Val Cys Thr Ala Glu Leu Ser Cys Lys Gly Arg

1 5

4-33639 (5048-W001).ST25.txt  
10

<210> 99  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 99

Tyr Phe Thr Leu Gly Glu Ser Trp Leu Arg  
1 5 10

<210> 100  
<211> 18  
<212> PRT  
<213> Homo sapiens

<400> 100

Ala Gly Glu Asp Pro His Ser Phe Tyr Phe Pro Gly Gln Phe Ala Phe  
1 5 10 15

Ser Lys

<210> 101  
<211> 6  
<212> PRT  
<213> Homo sapiens

<400> 101

Cys Leu Ala Cys Ile Lys  
1 5

<210> 102  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 102

Glu Ala Glu Glu His Gln Glu Thr Gln Cys Leu Arg  
1 5 10

<210> 103  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 103

Gly Leu Gln Val Ala Leu Glu Glu Phe His Lys  
1 5 10

<210> 104  
<211> 28  
<212> PRT  
<213> Homo sapiens

<400> 104

## 4-33639 (5048-W001).ST25.txt

His Pro Pro Val Gln Trp Ala Phe Gln Glu Thr Ser Val Glu Ser Ala  
1 5 10 15

Val Asp Thr Pro Phe Pro Ala Gly Ile Phe Val Arg  
20 25

<210> 105  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 105

Leu Gly Ser Glu Asp Lys Val Leu Gly Arg  
1 5 10

<210> 106  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 106

Leu Val His Cys Pro Ile Glu Thr Gln Val Leu Arg  
1 5 10

<210> 107  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 107

Thr Cys Ser His Tyr Glu Cys Ala Phe Leu Gly Gly Leu Lys  
1 5 10

<210> 108  
<211> 16  
<212> PRT  
<213> Homo sapiens

<400> 108

Thr Ser Gln Gly Thr Ser Phe Thr Phe Gly Gly Leu Asn Gln Ala Arg  
1 5 10 15

<210> 109  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 109

Phe Tyr Asn Gln Val Ser Thr Pro Leu Leu Arg  
1 5 10

<210> 110  
<211> 17  
<212> PRT  
<213> Homo sapiens

## 4-33639 (5048-W001).ST25.txt

&lt;400&gt; 110

Val Ala Gln Glu Leu Glu Glu Lys Leu Asn Ile Leu Asn Asn Asn Tyr  
1 5 10 15

Lys

&lt;210&gt; 111

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 111

Ala Gln Pro Val Gln Val Ala Glu Gly Ser Glu Pro Asp Gly Phe Trp  
1 5 10 15

Glu Ala Leu Gly Gly Lys  
20

&lt;210&gt; 112

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 112

Tyr Ile Glu Thr Asp Pro Ala Asn Arg  
1 5

&lt;210&gt; 113

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 113

Ala Leu Tyr Tyr Asp Leu Ile Ser Ser Pro Asp Ile His Gly Thr Tyr  
1 5 10 15

Lys

&lt;210&gt; 114

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 114

Asp Thr Asp Thr Gly Ala Leu Leu Phe Ile Gly Lys  
1 5 10

&lt;210&gt; 115

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

## 4-33639 (5048-W001).ST25.txt

&lt;400&gt; 115

Ile Ala Gln Leu Pro Leu Thr Gly Ser Met Ser Ile Ile Phe Phe Leu  
1 5 10 15

Pro Leu Lys

&lt;210&gt; 116

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 116

Leu Ala Ala Ala Val Ser Asn Phe Gly Tyr Asp Leu Tyr Arg  
1 5 10

&lt;210&gt; 117

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 117

Leu Gln Ser Leu Phe Asp Ser Pro Asp Phe Ser Lys  
1 5 10

&lt;210&gt; 118

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 118

Thr Val Gln Ala Val Leu Thr Val Pro Lys  
1 5 10

&lt;210&gt; 119

&lt;211&gt; 29

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 119

Glu Tyr Gly Val Val Leu Ala Pro Asp Gly Ser Thr Val Ala Val Glu  
1 . 5 . 10 . 15

Pro Leu Leu Ala Gly Leu Glu Ala Gly Leu Gln Gly Arg  
20 25

&lt;210&gt; 120

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 120

Ser Leu Pro Leu Leu Met Asp Ser Val Ile Gln Ala Leu Ala Glu Leu  
1 5 10 15

## 4-33639 (5048-W001).ST25.txt

Glu Gln Lys

<210> 121  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 121

Ser Pro Gly Pro Asn Val Ala Val Asn Ala Lys  
1 5 10

<210> 122  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 122

Tyr Gln Leu Gly Ser Gly Glu Ala Arg  
1 5

<210> 123  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 123

Ile Glu Asn Ile Asp His Leu Gly Phe Phe Ile Tyr Arg  
1 5 10

<210> 124  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 124

Leu Thr Ala Tyr Leu Asp Leu Asn Leu Asp Lys  
1 5 10

<210> 125  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 125

Asn Leu Leu Glu Leu Leu Ile Asn Ile Lys  
1 5 10

<210> 126  
<211> 17  
<212> PRT  
<213> Homo sapiens

<400> 126

Ser Ser Asn Ala Ala Thr Ile Ser Ile Gly Gly Ser Gly Glu Leu Gln

1           5           10           15

4-33639 (5048-W001).ST25.txt

Arg

<210> 127  
<211> 19  
<212> PRT  
<213> Homo sapiens

<400> 127

Leu Gln Gln Val Leu His Ala Gly Ser Gly Pro Cys Leu Pro His Leu  
1               5               10               15

Leu Ser Arg

<210> 128  
<211> 15  
<212> PRT  
<213> Homo sapiens

<400> 128

Arg Ser Cys Ile Glu Cys His Leu Ser Ala Ala Gly Gln Ala Arg  
1               5               10               15

<210> 129  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 129

Ile Leu His Ser Gln Val Ala Gly Arg Leu Ile Ile Arg  
1               5               10

<210> 130  
<211> 18  
<212> PRT  
<213> Homo sapiens

<400> 130

Val Ser Asn Thr Gln Asp Ala Ser Val Ser Ile Val Asp Tyr Tyr Glu  
1               5               10               15

Pro Arg

<210> 131  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 131

Ser Cys Ile Glu Cys His Leu Ser Ala Ala Gly Gln Ala Arg  
1               5               10

## 4-33639 (5048-WO01).ST25.txt

<210> 132  
<211> 15  
<212> PRT  
<213> Homo sapiens

<400> 132

Thr Gln Arg Ser Leu Ser Ala Glu Leu Glu Ile Pro Ala Val Lys  
1 5 10 15

<210> 133  
<211> 21  
<212> PRT  
<213> Homo sapiens

<400> 133

Leu Lys Pro Tyr Val Ala Ala Gln Leu Asp Val Leu Pro Glu Thr Phe  
1 5 10 15

Thr Leu Gly Asp Lys  
20

<210> 134  
<211> 18  
<212> PRT  
<213> Homo sapiens

<400> 134

Met Trp Gln Leu Glu Glu Lys Leu Thr Tyr Ser His Leu Glu Asn Ile  
1 5 10 15

Gln Arg

<210> 135  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 135

Met Glu Leu Leu Gly Cys Gln Phe Ile Pro Lys  
1 5 10

<210> 136  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 136

Met Lys Asp Thr Val Gln Lys  
1 5

<210> 137  
<211> 19  
<212> PRT

## 4-33639 (5048-W001).ST25.txt

&lt;213&gt; Homo sapiens

&lt;400&gt; 137

Met Asp Glu Ser Lys Glu Gly Ser Ile Gln Gly Leu Glu Glu Met Gln  
1 5 10 15

Val Glu Arg

&lt;210&gt; 138

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 138

Val Gly Glu Ala Ala His Ala Leu Gly Asn Thr Gly His Glu Ile Gly  
1 5 10 15

Arg

&lt;210&gt; 139

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 139

Glu Ala Pro Lys Val Val Glu Glu Gln Glu Ser Arg  
1 5 10

&lt;210&gt; 140

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 140

His Leu Val Pro Gly Ala Pro Phe Leu Leu Gln Ala Leu Val Arg  
1 5 10 15

&lt;210&gt; 141

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 141

Thr Pro Ile Ala Ala Gly His Pro Ser Met Asn Leu Leu Leu Arg  
1 5 10 15

&lt;210&gt; 142

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 142

Ala Ala Cys Ala Gln Leu Asn Asp Phe Leu Gln Glu Tyr Gly Thr Gln

1           5           10           15

Gly Cys Gln Val  
20

<210> 143  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 143

Ala Thr Glu Asp Ala Lys Pro Val Lys Ile Lys  
1               5               10

<210> 144  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 144

Ser Ala Leu Thr Arg Leu Ala Ser Phe Ala Arg  
1               5               10

<210> 145  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 145

Asn Ser His Thr Asp Ser Ala Ser Met Asp Lys  
1               5               10

<210> 146  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 146

Asn Gly Ile Asp Ile Tyr Ser Leu Thr Val Asp Ser Arg  
1               5               10

<210> 147  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 147

Ile Ala Ser Met Glu Ile Pro Asn Asp Asp Leu Lys  
1               5               10

<210> 148  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 148

## 4-33639 (5048-W001).ST25.txt

Thr Asp Ile Asp Val Leu Ile Thr Ala Ile Ile Lys  
1 5 10

<210> 149  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 149

Thr Pro Asp Val Ser Ser Ala Leu Asp Lys  
1 5 10

<210> 150  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 150

Thr Pro Asp Val Ser Ser Ala Leu Asp Lys Leu Lys  
1 5 10

<210> 151  
<211> 24  
<212> PRT  
<213> Homo sapiens

<400> 151

Ile Tyr Asp Pro Val Cys Gly Thr Asp Gly Asn Thr Tyr Pro Asn Glu  
1 5 10 15

Cys Val Leu Cys Phe Glu Asn Arg  
20

<210> 152  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 152

Gln Leu Ser Ala Ala Ala Lys  
1 5

<210> 153  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 153

Thr Asn Leu Glu Ser Ile Leu Ser Tyr Pro Lys  
1 5 10

<210> 154  
<211> 9  
<212> PRT  
<213> Homo sapiens

## 4-33639 (5048-W001).ST25.txt

<400> 154

Leu Ser Pro Leu Gly Glu Glu Met Arg  
1 5

<210> 155

<211> 7

<212> PRT

<213> Homo sapiens

<400> 155

Glu Gln Met Ser Ala Lys Arg  
1 5

<210> 156

<211> 15

<212> PRT

<213> Homo sapiens

<400> 156

Val Thr Glu Pro Ile Ser Ala Glu Ser Gly Glu Gln Val Glu Arg  
1 5 10 15

<210> 157

<211> 11

<212> PRT

<213> Homo sapiens

<400> 157

Leu Gln Ala Ala Asp Thr Cys Pro Glu Val Lys  
1 5 10

<210> 158

<211> 11

<212> PRT

<213> Homo sapiens

<400> 158

Ile Pro Glu Pro Phe Pro Leu Pro Glu Asp Lys  
1 5 10

<210> 159

<211> 15

<212> PRT

<213> Homo sapiens

<400> 159

Gln Glu Thr Trp Glu Asn Gly Glu Ser Ser Leu Ile Met Asn Lys  
1 5 10 15

<210> 160

<211> 21

<212> PRT

<213> Homo sapiens

<400> 160

## 4-33639 (5048-W001).ST25.txt

Arg Glu Ile Asp Val Leu Gln Leu Val Val Asp Val Asp Gly Asn Ile  
1 5 10 15

Val Asn Glu Val Lys  
20

<210> 161  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 161

Gln Thr Glu Asp Tyr Cys Leu Ala Ser Asn Lys  
1 5 10

<210> 162  
<211> 19  
<212> PRT  
<213> Homo sapiens

<400> 162

Ala His Gly Gln Glu Ser Ala Ile Phe Asn Glu Val Ala Pro Gly Tyr  
1 5 10 15

Phe Ser Arg

<210> 163  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 163

His Val Ile Gln Ala Val Asn Thr Ser Pro Glu Arg  
1 5 10

<210> 164  
<211> 20  
<212> PRT  
<213> Homo sapiens

<400> 164

Val Glu Pro Leu Tyr Glu Leu Val Thr Ala Thr Asp Phe Ala Tyr Ser  
1 5 10 15

Ser Thr Val Arg  
20

<210> 165  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 165

## 4-33639 (5048-W001).ST25.txt

Gly Ile Leu Asn Glu Ile Lys Asp Arg  
1 5

<210> 166  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 166

Leu Cys Gly Gly Ile Gln Glu Arg  
1 5

<210> 167  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 167

Ser Ala Arg Leu Gly His Ser Arg Pro Val Gly Tyr Trp Lys  
1 5 10

<210> 168  
<211> 16  
<212> PRT  
<213> Homo sapiens

<400> 168

Tyr Tyr Tyr Val Cys Gln Tyr Cys Pro Ala Gly Asn Asn Met Asn Arg  
1 5 10 15

<210> 169  
<211> 16  
<212> PRT  
<213> Homo sapiens

<400> 169

Val Gln Glu Ala His Leu Thr Glu Asp Gln Ile Phe Tyr Phe Pro Lys  
1 5 10 15

<210> 170  
<211> 15  
<212> PRT  
<213> Homo sapiens

<400> 170

Ile Trp Cys Ser Glu Asn Thr Val Lys Ala Ala Ser Leu Ile Arg  
1 5 10 15

<210> 171  
<211> 16  
<212> PRT  
<213> Homo sapiens

<400> 171

Glu Ala Ala Gln Ala Ile Phe Pro Ser Met Ala Arg Ala Leu Gln Lys  
1 5 10 15

## 4-33639 (5048-W001).ST25.txt

<210> 172  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 172

Ala Gly Phe Ala Gly Asp Asp Ala Pro Arg  
1 5 10

<210> 173  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 173

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys  
1 5 10

<210> 174  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 174

Leu Ala Leu Glu Leu Glu Lys  
1 5

<210> 175  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 175

Glu Asp Pro Thr Val Ser Ala Leu Leu Thr Ser Glu Lys  
1 5 10

<210> 176  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 176

Val Pro Ser Leu Val Gly Ser Phe Ile Arg  
1 5 10

<210> 177  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 177

Glu Ile Val Asn Lys His Asn Glu Leu Arg  
1 5 10

## 4-33639 (5048-W001).ST25.txt

<210> 178  
<211> 16  
<212> PRT  
<213> Homo sapiens

<400> 178

Tyr Tyr Tyr Val Cys Gln Tyr Cys Pro Ala Gly Asn Asn Met Asn Arg  
1 5 10 15

<210> 179  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 179

Ile Ser Cys Pro Glu Gly Thr Asn Ala Tyr Arg  
1 5 10

<210> 180  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 180

Phe Asp Gly Ile Leu Gly Met Ala Tyr Pro Arg  
1 5 10

<210> 181  
<211> 17  
<212> PRT  
<213> Homo sapiens

<400> 181

Ile Ser Val Asn Asn Val Leu Pro Val Phe Asp Asn Leu Met Gln Gln  
1 5 10 15

Lys

<210> 182  
<211> 18  
<212> PRT  
<213> Homo sapiens

<400> 182

Tyr Ser Gln Ala Val Pro Ala Val Thr Glu Gly Pro Ile Pro Glu Val  
1 5 10 15

Leu Lys

<210> 183  
<211> 31  
<212> PRT  
<213> Homo sapiens

## 4-33639 (5048-W001).ST25.txt

&lt;400&gt; 183

Cys Pro Pro Cys Thr Pro Glu Arg Leu Ala Ala Cys Gly Pro Pro Pro  
1 5 10 15

Val Ala Pro Pro Ala Ala Val Ala Ala Val Ala Gly Gly Ala Arg  
20 25 30

&lt;210&gt; 184

&lt;211&gt; 23

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 184

Cys Tyr Pro His Pro Gly Ser Glu Leu Pro Leu Gln Ala Leu Val Met  
1 5 10 15

Gly Glu Gly Thr Cys Glu Lys  
20

&lt;210&gt; 185

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 185

Glu Pro Gly Cys Gly Cys Cys Ser Val Cys Ala Arg  
1 5 10

&lt;210&gt; 186

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 186

Gly Asp Pro Glu Cys His Leu Phe Tyr Asn Glu Gln Gln Glu Ala Arg  
1 5 10 15

&lt;210&gt; 187

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 187

Gly Glu Cys Trp Cys Val Asn Pro Asn Thr Gly Lys  
1 5 10

&lt;210&gt; 188

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 188

Gly Pro Leu Glu His Leu Tyr Ser Leu His Ile Pro Asn Cys Asp Lys  
1 5 10 15

## 4-33639 (S048-W001).ST25.txt

<210> 189  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 189

His His Leu Gly Leu Glu Glu Pro Lys  
1 5

<210> 190  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 190

His His Leu Gly Leu Glu Glu Pro Lys Lys  
1 5 10

<210> 191  
<211> 23  
<212> PRT  
<213> Homo sapiens

<400> 191

Leu Ala Ala Cys Gly Pro Pro Pro Val Ala Pro Pro Ala Ala Val Ala  
1 5 10 15

Ala Val Ala Gly Gly Ala Arg  
20

<210> 192  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 192

Leu Glu Gly Glu Ala Cys Gly Val Tyr Thr Pro Arg  
1 5 10

<210> 193  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 193

Leu Ile Gln Gly Ala Pro Thr Ile Arg  
1 5

<210> 194  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 194

Met Pro Cys Ala Glu Leu Val Arg

1 5

## 4-33639 (5048-W001).ST25.txt

<210> 195  
<211> 20  
<212> PRT  
<213> Homo sapiens

<400> 195

Met Pro Cys Ala Glu Leu Val Arg Glu Pro Gly Cys Gly Cys Cys Ser  
1 5 10 15

Val Cys Ala Arg  
20

<210> 196  
<211> 19  
<212> PRT  
<213> Homo sapiens

<400> 196

Met Ser Leu Asn Gly Gln Arg Gly Glu Cys Trp Cys Val Asn Pro Asn  
1 5 10 15

Thr Gly Lys

<210> 197  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 197

Thr Pro Cys Gln Gln Glu Leu Asp Gln Val Leu Glu Arg  
1 5 10

<210> 198  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 198

Glu Asp Phe Thr Ser Leu Ser Leu Val Leu Tyr Ser Arg  
1 5 10

<210> 199  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 199

Glu Phe Ser His Leu Gly Lys  
1 5

<210> 200  
<211> 8

## 4-33639 (5048-W001).ST25.txt

<212> PRT  
<213> Homo sapiens

<400> 200

Glu Leu Ser Ser Phe Ile Asp Lys  
1 5

<210> 201

<211> 25

<212> PRT  
<213> Homo sapiens

<400> 201

Glu Leu Ser Ser Phe Ile Asp Lys Gly Gln Glu Leu Cys Ala Asp Tyr  
1 5 10 15

Ser Glu Asn Thr Phe Thr Glu Tyr Lys  
20 25

<210> 202

<211> 22

<212> PRT  
<213> Homo sapiens

<400> 202

Glu Val Val Ser Leu Thr Glu Ala Cys Cys Ala Glu Gly Ala Asp Pro  
1 5 10 15

Asp Cys Tyr Asp Thr Arg  
20

<210> 203

<211> 27

<212> PRT  
<213> Homo sapiens

<400> 203

Glu Tyr Ala Asn Gln Phe Met Trp Glu Tyr Ser Thr Asn Tyr Gly Gln  
1 5 10 15

Ala Pro Leu Ser Leu Leu Val Ser Tyr Thr Lys  
20 25

<210> 204

<211> 14

<212> PRT  
<213> Homo sapiens

<400> 204

Phe Pro Ser Gly Thr Phe Glu Gln Val Ser Gln Leu Val Lys  
1 5 10

<210> 205

<211> 17

<212> PRT

## 4-33639 (5048-w001).ST25.txt

&lt;213&gt; Homo sapiens

&lt;400&gt; 205

Gly Gln Glu Leu Cys Ala Asp Tyr Ser Glu Asn Thr Phe Thr Glu Tyr  
1 5 10 15

Lys

&lt;210&gt; 206

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 206

His Leu Ser Leu Leu Thr Thr Leu Ser Asn Arg  
1 5 10

&lt;210&gt; 207

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 207

His Gln Pro Gln Glu Phe Pro Thr Tyr Val Glu Pro Thr Asn Asp Glu  
1 5 10 15Ile Cys Glu Ala Phe Arg  
20

&lt;210&gt; 208

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 208

Lys Glu Leu Ser Ser Phe Ile Asp Lys  
1 5

&lt;210&gt; 209

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 209

Lys Phe Pro Ser Gly Thr Phe Glu Gln Val Ser Gln Leu Val Lys  
1 5 10 15

&lt;210&gt; 210

&lt;211&gt; 8

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 210

Lys Leu Cys Met Ala Ala Leu Lys

## 4-33639 (5048-W001).ST25.txt

1 5

<210> 211  
<211> 26  
<212> PRT  
<213> Homo sapiens

&lt;400&gt; 211

Leu Ala Gln Lys Val Pro Thr Ala Asp Leu Glu Asp Val Leu Pro Leu  
1 5 10 15

Ala Glu Asp Ile Thr Asn Ile Leu Ser Lys  
20 25

<210> 212  
<211> 8  
<212> PRT  
<213> Homo sapiens

&lt;400&gt; 212

Leu Cys Asp Asn Leu Ser Thr Lys  
1 5

<210> 213  
<211> 11  
<212> PRT  
<213> Homo sapiens

&lt;400&gt; 213

Arg Thr His Leu Pro Glu Val Phe Leu Ser Lys  
1 5 10

<210> 214  
<211> 20  
<212> PRT  
<213> Homo sapiens

&lt;400&gt; 214

Ser Cys Glu Ser Asn Ser Pro Phe Pro Val His Pro Gly Thr Ala Glu  
1 5 10 15

Cys Cys Thr Lys  
20

<210> 215  
<211> 26  
<212> PRT  
<213> Homo sapiens

&lt;400&gt; 215

Ser Asp Phe Ala Ser Asn Cys Cys Ser Ile Asn Ser Pro Pro Leu Tyr  
1 5 10 15

Cys Asp Ser Glu Ile Asp Ala Glu Leu Lys  
20 25

## 4-33639 (5048-W001).ST25.txt

&lt;210&gt; 216

&lt;211&gt; 29

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 216

Ser Asp Phe Ala Ser Asn Cys Cys Ser Ile Asn Ser Pro Pro Leu Tyr  
1 5 10 15

Cys Asp Ser Glu Ile Asp Ala Glu Leu Lys Asn Ile Leu  
20 25

&lt;210&gt; 217

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 217

Ser Leu Gly Glu Cys Cys Asp Val Glu Asp Ser Thr Thr Cys Phe Asn  
1 5 10 15

Ala Lys

&lt;210&gt; 218

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 218

Ser Tyr Leu Ser Met Val Gly Ser Cys Cys Thr Ser Ala Ser Pro Thr  
1 5 10 15

Val Cys Phe Leu Lys  
20

&lt;210&gt; 219

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 219

Thr His Leu Pro Glu Val Phe Leu Ser Lys  
1 5 10

&lt;210&gt; 220

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 220

Val Cys Ser Gln Tyr Ala Ala Tyr Gly Glu Lys  
1 5 10

## 4-33639 (5048-W001).ST25.txt

<210> 221  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 221

Val Cys Ser Gln Tyr Ala Ala Tyr Gly Glu Lys Lys  
1 5 10

<210> 222  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 222

Val Met Asp Lys Tyr Thr Phe Glu Leu Ser Arg  
1 5 10

<210> 223  
<211> 22  
<212> PRT  
<213> Homo sapiens

<400> 223

Val Pro Thr Ala Asp Leu Glu Asp Val Leu Pro Leu Ala Glu Asp Ile  
1 5 10 15

Thr Asn Ile Leu Ser Lys  
20

<210> 224  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 224

Tyr Thr Phe Glu Leu Ser Arg  
1 5

<210> 225  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 225

Gln Gly Val Asn Asp Asn Glu Glu Gly Phe Phe Ser Ala Arg  
1 5 10

<210> 226  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 226

Ala Leu Asp Thr Asn Tyr Cys Phe Ser Ser Thr Glu Lys

## 1 5 10 4-33639 (5048-W001).ST25.txt

<210> 227  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 227

Val Glu Gln Leu Ser Asn Met Ile Val Arg  
1 5 10

<210> 228  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 228

Cys Ala Val Leu Ser Cys Leu Pro Lys  
1 5

<210> 229  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 229

Glu Cys Glu Ala Phe Ile Cys Asn Cys Asp Arg  
1 5 10

<210> 230  
<211> 25  
<212> PRT  
<213> Homo sapiens

<400> 230

Phe Leu Leu Asp Asn Pro Tyr Thr His Thr Tyr Ser Tyr Ser Cys Ser  
1 5 10 15

Gly Ser Ala Ile Thr Cys Ser Ser Lys  
20 25

<210> 231  
<211> 20  
<212> PRT  
<213> Homo sapiens

<400> 231

Ala Leu Pro Gly Gln Leu Lys Pro Phe Glu Thr Leu Leu Ser Gln Asn  
1 5 10 15

Gln Gly Gly Lys  
20

<210> 232  
<211> 12

## 4-33639 (5048-W001).ST25.txt

<212> PRT  
<213> Homo sapiens

<400> 232

Gln Cys Phe Ser Cys Leu Pro Phe Thr Met Lys Lys  
1 5 10

<210> 233  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 233

Gln Glu Ile Leu Ala Ala Leu Glu Lys  
1 5

<210> 234  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 234

Ala Thr Leu Gly Pro Ala Val Arg Pro Leu Pro Trp Gln Arg  
1 5 10

<210> 235  
<211> 24  
<212> PRT  
<213> Homo sapiens

<400> 235

Ala Val Pro His Pro Asp Ser Gln Pro Asp Thr Ile Asp His Asp Leu  
1 5 10 15

Leu Leu Leu Gln Leu Ser Glu Lys  
20

<210> 236  
<211> 26  
<212> PRT  
<213> Homo sapiens

<400> 236

Asp Ser Cys Lys Gly Asp Ser Gly Gly Pro Leu Val Cys Gly Gly Val  
1 5 10 15

Leu Glu Gly Val Val Thr Ser Gly Ser Arg  
20 25

<210> 237  
<211> 21  
<212> PRT  
<213> Homo sapiens

<400> 237

4-33639 (5048-W001).ST25.txt  
Asp Val Ala Pro Gly Thr Leu Cys Asp Val Ala Gly Trp Gly Ile Val  
1 5 10 15

Asn His Ala Gly Arg  
20

<210> 238  
<211> 22  
<212> PRT  
<213> Homo sapiens

<400> 238

Gly Asp Ser Gly Gly Pro Leu Val Cys Gly Gly Val Leu Glu Gly Val  
1 5 10 15

Val Thr Ser Gly Ser Arg  
20

<210> 239  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 239

Lys Lys Pro Gly Ile Tyr Thr Arg  
1 5

<210> 240  
<211> 6  
<212> PRT  
<213> Homo sapiens

<400> 240

Leu Tyr Asp Val Leu Arg  
1 5

<210> 241  
<211> 15  
<212> PRT  
<213> Homo sapiens

<400> 241

Arg Pro Asp Ser Leu Gln His Val Leu Leu Pro Val Leu Asp Arg  
1 5 10 15

<210> 242  
<211> 20  
<212> PRT  
<213> Homo sapiens

<400> 242

Arg Pro Asp Ser Leu Gln His Val Leu Leu Pro Val Leu Asp Arg Ala  
1 5 10 15

Thr Cys Asn Arg

20

## 4-33639 (5048-W001).ST25.txt

<210> 243  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 243

Val Ala Ser Tyr Ala Ala Trp Ile Asp Ser Val Leu Ala  
1 5 10

<210> 244  
<211> 24  
<212> PRT  
<213> Homo sapiens

<400> 244

Val Asp Arg Asp Val Ala Pro Gly Thr Leu Cys Asp Val Ala Gly Trp  
1 5 10 15

Gly Ile Val Asn His Ala Gly Arg  
20

<210> 245  
<211> 17  
<212> PRT  
<213> Homo sapiens

<400> 245

Val Gln Val Leu Leu Gly Ala His Ser Leu Ser Gln Pro Glu Pro Ser  
1 5 10 15

Lys

<210> 246  
<211> 18  
<212> PRT  
<213> Homo sapiens

<400> 246

Val Gln Val Leu Leu Gly Ala His Ser Leu Ser Gln Pro Glu Pro Ser  
1 5 10 15

Lys Arg

<210> 247  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 247

Asp Cys Gly Ala Thr Trp Val Val Leu Gly His Ser Glu Arg  
1 5 10

## 4-33639 (5048-W001).ST25.txt

&lt;210&gt; 248

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 248

His Val Phe Gly Glu Ser Asp Glu Leu Ile Gly Gln Lys  
1 5 10

&lt;210&gt; 249

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 249

Ile Ala Val Ala Ala Gln Asn Cys Tyr Lys  
1 5 10

&lt;210&gt; 250

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 250

Ile Ile Tyr Gly Gly Ser Val Thr Gly Ala Thr Cys Lys  
1 5 10

&lt;210&gt; 251

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 251

Arg His Val Phe Gly Glu Ser Asp Glu Leu Ile Gly Gln Lys  
1 5 10

&lt;210&gt; 252

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 252

Ser Asn Val Ser Asp Ala Val Ala Gln Ser Thr Arg  
1 5 10

&lt;210&gt; 253

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 253

Val Ala His Ala Leu Ala Glu Gly Leu Gly Val Ile Ala Cys Ile Gly  
1 5 10 15

## 4-33639 (5048-WO01).ST25.txt

**Glu Lys**

<210> 254  
<211> 20  
<212> PRT  
<213> Homo sapiens

<400> 254

Val Pro Ala Asp Thr Glu Val Val Cys Ala Pro Pro Thr Ala Tyr Ile  
1 5 10 15

Asp Phe Ala Arg  
20

<210> 255  
<211> 16  
<212> PRT  
<213> Homo sapiens

<400> 255

Val Thr Asn Gly Ala Phe Thr Gly Glu Ile Ser Pro Gly Met Ile Lys  
1 5 10 15

<210> 256  
<211> 15  
<212> PRT  
<213> Homo sapiens

<400> 256

Val Val Leu Ala Tyr Glu Pro Val Trp Ala Ile Gly Thr Gly Lys  
1 5 10 15

<210> 257  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 257

Phe Ser Gly Ser Leu Leu Gly Gly Lys  
1 5

<210> 258  
<211> 15  
<212> PRT  
<213> Homo sapiens

<400> 258

Asp Pro Pro Asp Tyr Trp Thr Ile His Gly Leu Trp Pro Asp Lys  
1 5 10 15

<210> 259  
<211> 10  
<212> PRT  
<213> Homo sapiens

## 4-33639 (5048-WO01).ST25.txt

&lt;400&gt; 259

Glu Leu Asp Leu Asn Ser Val Leu Leu Lys  
1 5 10

&lt;210&gt; 260

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 260

His Gly Thr Cys Ala Ala Gln Val Asp Ala Leu Asn Ser Gln Lys  
1 5 10 15

&lt;210&gt; 261

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 261

Leu Gly Ile Lys Pro Ser Ile Asn Tyr Tyr Gln Val Ala Asp Phe Lys  
1 5 10 15

&lt;210&gt; 262

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 262

Asp Gln Glu Ala Ala Val Ala Glu Leu Gln Ala Ala Leu Glu Arg  
1 5 10 15

&lt;210&gt; 263

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 263

Ser Glu Phe Val Val Pro Asp Leu Glu Leu Pro Ser Trp Leu Thr Thr  
1 5 10 15

Gly Asn Tyr Arg  
20.

&lt;210&gt; 264

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 264

Thr Tyr Gly Leu Pro Cys His Cys Pro Phe Lys  
1 5 10

&lt;210&gt; 265

&lt;211&gt; 23

&lt;212&gt; PRT

## 4-33639 (5048-WO01).ST25.txt

&lt;213&gt; Homo sapiens

&lt;400&gt; 265

Tyr Asp Pro Glu Ala Ala Ser Ala Pro Gly Ser Gly Asn Pro Cys His  
1 5 10 15Glu Ala Ser Ala Ala Gln Lys  
20

&lt;210&gt; 266

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 266

Ala Leu Ala Gly Cys Asp Phe Leu Thr Ile Ser Pro Lys  
1 5 10

&lt;210&gt; 267

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 267

Tyr Gln Ile Trp Thr Thr Val Val Asp Trp Ile His Pro Asp Leu Lys  
1 5 10 15

&lt;210&gt; 268

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 268

Ile Leu His Cys Ser Cys Gln Ala Cys Gly Lys  
1 5 10

&lt;210&gt; 269

&lt;211&gt; 8

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 269

Lys Ile Leu Glu Cys Val Ile Lys  
1 5

&lt;210&gt; 270

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 270

Asn Asn Leu Glu Ala Leu Glu Asp Phe Glu Lys  
1 5 10

&lt;210&gt; 271

## 4-33639 (5048-W001).ST25.txt

<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 271

Glu Asn Ala Glu Gln Gly Glu Val Asp Met Glu Ser His Arg  
1 5 10

<210> 272  
<211> 24  
<212> PRT  
<213> Homo sapiens

<400> 272

Gly Ala Ile Leu Pro Met Leu Tyr Ala Leu Cys Tyr Val Lys Met Pro  
1 5 10 15

Ser Phe Gln His Gly Pro Gly Arg  
20

<210> 273  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 273

Leu Gly Lys Asp Ala Val Glu Asp Leu Glu Ser Val Gly Lys  
1 5 10

<210> 274  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 274

Ile Ser Cys Pro Glu Gly Thr Asn Ala Tyr Arg  
1 5 10

<210> 275  
<211> 19  
<212> PRT  
<213> Homo sapiens

<400> 275

Ala Thr Thr Val Thr Gly Thr Pro Cys Gln Asp Trp Ala Ala Gln Glu  
1 5 10 15

Pro His Arg

<210> 276  
<211> 19  
<212> PRT  
<213> Homo sapiens

<400> 276

## 4-33639 (5048-W001).ST25.txt

Glu Pro Leu Asp Asp Tyr Val Asn Thr Gln Gly Ala Ser Leu Phe Ser  
1 5 10 15

Val Thr Lys

<210> 277  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 277

His Ser Ile Phe Thr Pro Glu Thr Asn Pro Arg  
1 5 10

<210> 278  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 278

Gly Asn Asp Val Ala Phe His Phe Asn Pro Arg  
1 5 10

<210> 279  
<211> 20  
<212> PRT  
<213> Homo sapiens

<400> 279

Ala Ala Cys Ala Gln Leu Asn Asp Phe Leu Gln Glu Tyr Gly Thr Gln  
1 5 10 15

Gly Cys Gln Val  
20

<210> 280  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 280

Gly Leu Gln Asp Glu Asp Gly Tyr Arg  
1 5

<210> 281  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 281

Ile Thr Gln Val Leu His Phe Thr Lys  
1 5

## 4-33639 (5048-W001).ST25.txt

<210> 282  
<211> 17  
<212> PRT  
<213> Homo sapiens

<400> 282

Leu Leu Ala Thr Leu Cys Ser Ala Glu Val Cys Gln Cys Ala Glu Gly  
1 5 10 15

Lys

<210> 283  
<211> 21  
<212> PRT  
<213> Homo sapiens

<400> 283

Val Gly Leu Ser Gly Met Ala Ile Ala Asp Val Thr Leu Leu Ser Gly  
1 5 10 15

Phe His Ala Leu Arg  
20

<210> 284  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 284

Glu Leu Trp Val Gln Gln Leu Met Gln His Leu Asp Lys  
1 5 10

<210> 285  
<211> 18  
<212> PRT  
<213> Homo sapiens

<400> 285

Lys Gln Glu Pro Ser Leu Gly Cys Ser Ile Pro Ala Ile Leu Phe Leu  
1 5 10 15

Pro Arg

<210> 286  
<211> 17  
<212> PRT  
<213> Homo sapiens

<400> 286

Gln Glu Pro Ser Leu Gly Cys Ser Ile Pro Ala Ile Leu Phe Leu Pro  
1 5 10 15

Arg

## 4-33639 (5048-W001).ST25.txt

<210> 287  
<211> 15  
<212> PRT  
<213> Homo sapiens

<400> 287

Ala Thr Ala Leu Ser Ser Ile Gln Ser Gly Ile Gln Gln Ala Arg  
1 5 10 15

<210> 288  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 288

Leu Tyr Ala Gln Asp Ala Asp Gly Cys Pro Ile Asp Ile Lys  
1 5 10

<210> 289  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 289

Lys Ser Ala Glu Ile Leu Thr Asn Ala Lys  
1 5 10

<210> 290  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 290

Lys Ser Pro Gln Gly Tyr Ser Gln  
1 5

<210> 291  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 291

Thr His Asp Ile Cys Pro Ser Arg  
1 5

<210> 292  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 292

Met Lys Val Thr His Leu Gln Val Glu Lys  
1 5 10

## 4-33639 (5048-W001).ST25.txt

<210> 293  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 293

Glu Leu Ala Pro Leu Phe Glu Glu Leu Arg  
1 5 10

<210> 294  
<211> 16  
<212> PRT  
<213> Homo sapiens

<400> 294

Lys Leu Pro Ser Val Glu Gly Leu His Ala Ile Val Val Ser Asp Arg  
1 5 10 15

<210> 295  
<211> 16  
<212> PRT  
<213> Homo sapiens

<400> 295

Ser Ile Ile Cys Tyr Tyr Asn Thr Tyr Gln Val Val Gln Phe Asn Arg  
1 5 10 15

<210> 296  
<211> 16  
<212> PRT  
<213> Homo sapiens

<400> 296

Gln Glu Asn Cys Phe Asn Pro Gly Gly Gly Cys Ser Glu Pro Arg  
1 5 10 15

<210> 297  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 297

Phe Ser Gly Ser Gly Ala Gly Thr Asp Phe Thr Leu Lys  
1 5 10

<210> 298  
<211> 17  
<212> PRT  
<213> Homo sapiens

<400> 298

Gly Trp Thr Val Ile Gln Asn Arg Gln Asp Gly Ser Val Asp Phe Gly  
1 5 10 15

Arg

## 4-33639 (5048-WO01).ST25.txt

<210> 299  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 299

Gln Asp Gly Ser Val Asp Phe Gly Arg  
1 5

<210> 300  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 300

Ala Thr Phe Phe Ser Ala Leu His  
1 5

<210> 301  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 301

Lys Ala Gly Leu Val Ile Pro Pro Glu Lys  
1 5 10